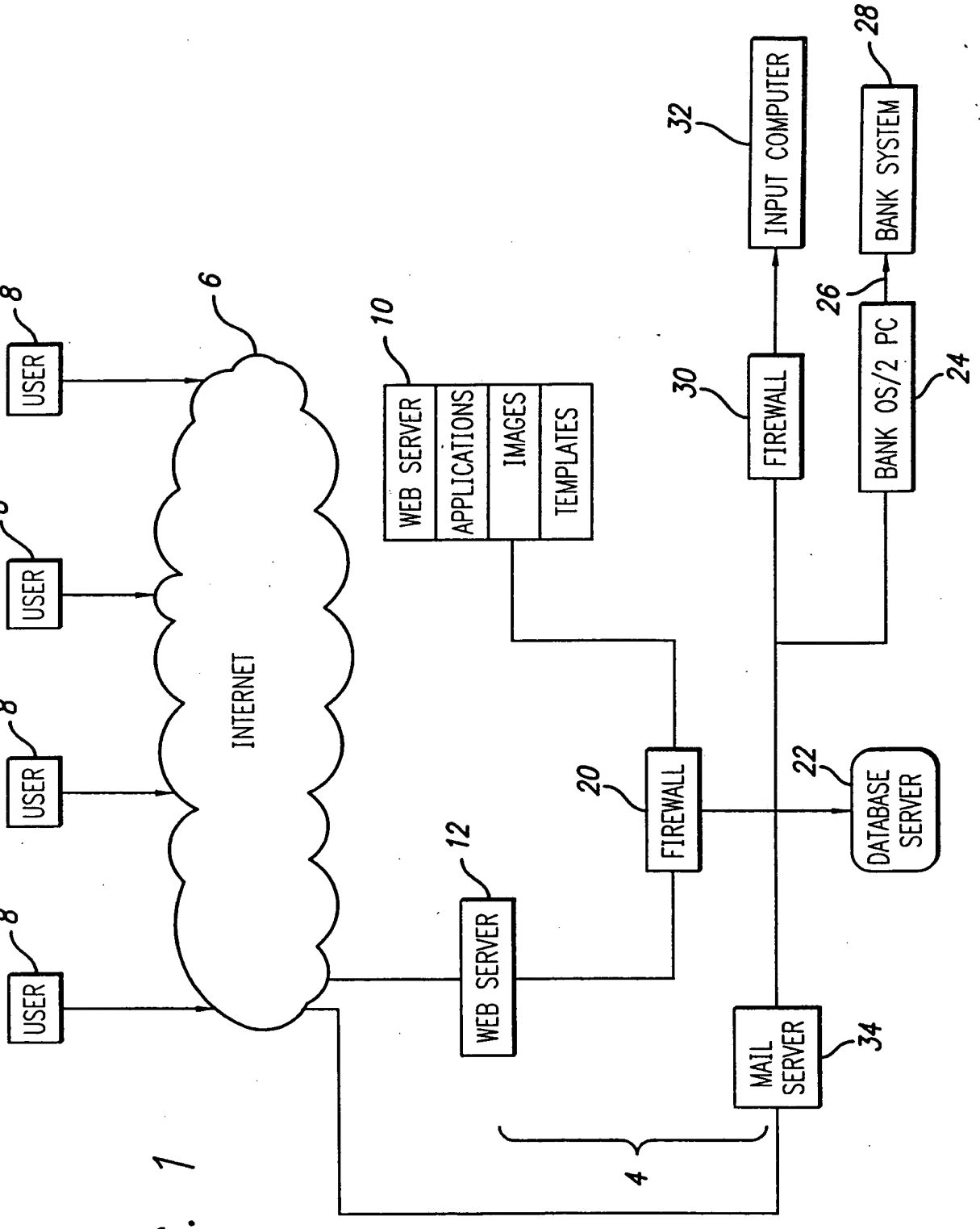

USER
USER
USER
USER
8
8
8
8
INTERNET
6
WEB SERVER
APPLICATIONS
IMAGES
TEMPLATES
10
WEB SERVER
12
FIREWALL
20
FIREWALL
30
INPUT COMPUTER
32
BANK SYSTEM
28
BANK OS/2 PC
24
26
DATABASE SERVER
22
MAIL SERVER
34
4

FIG. 1

FIG. 2

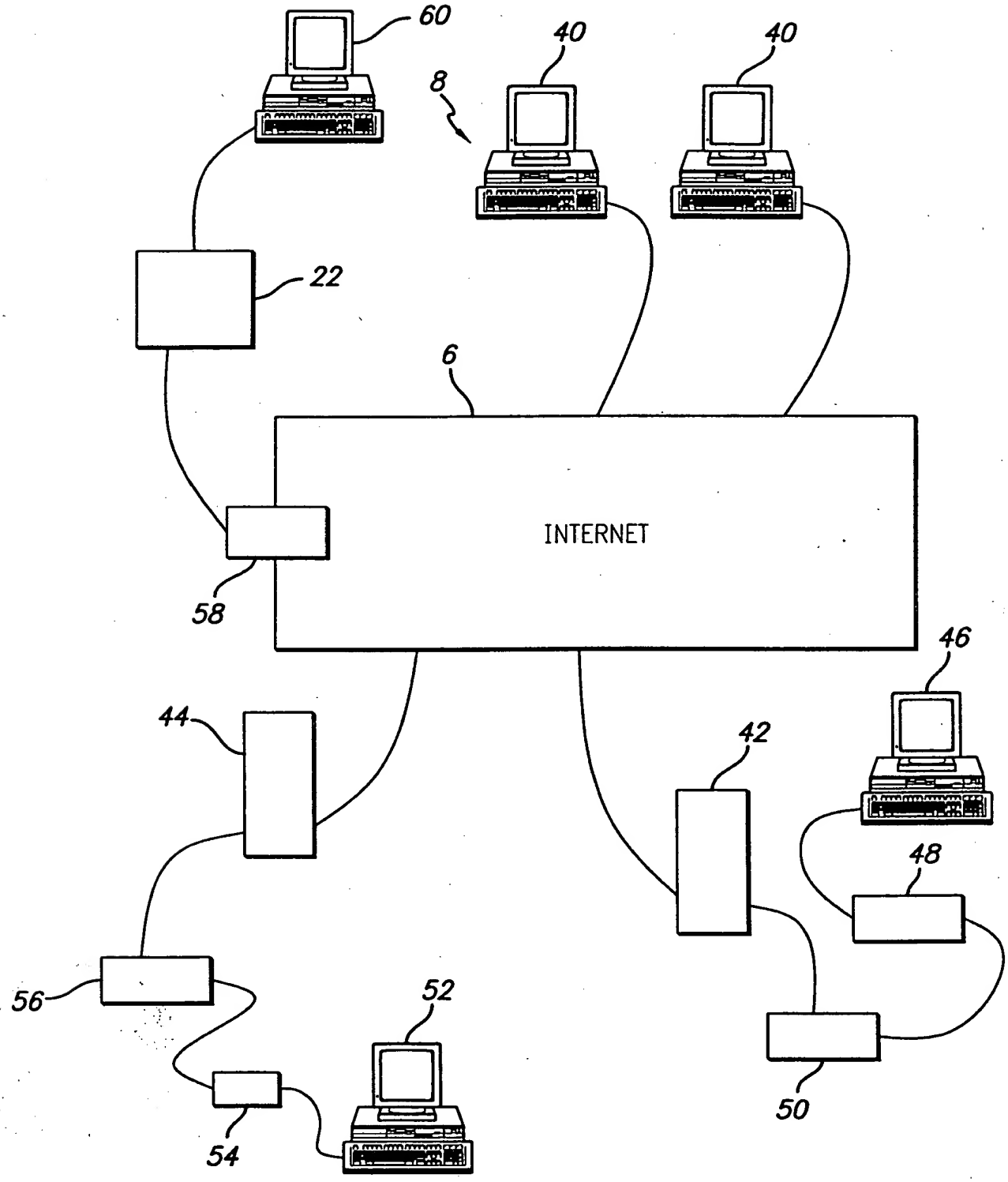


FIG. 3

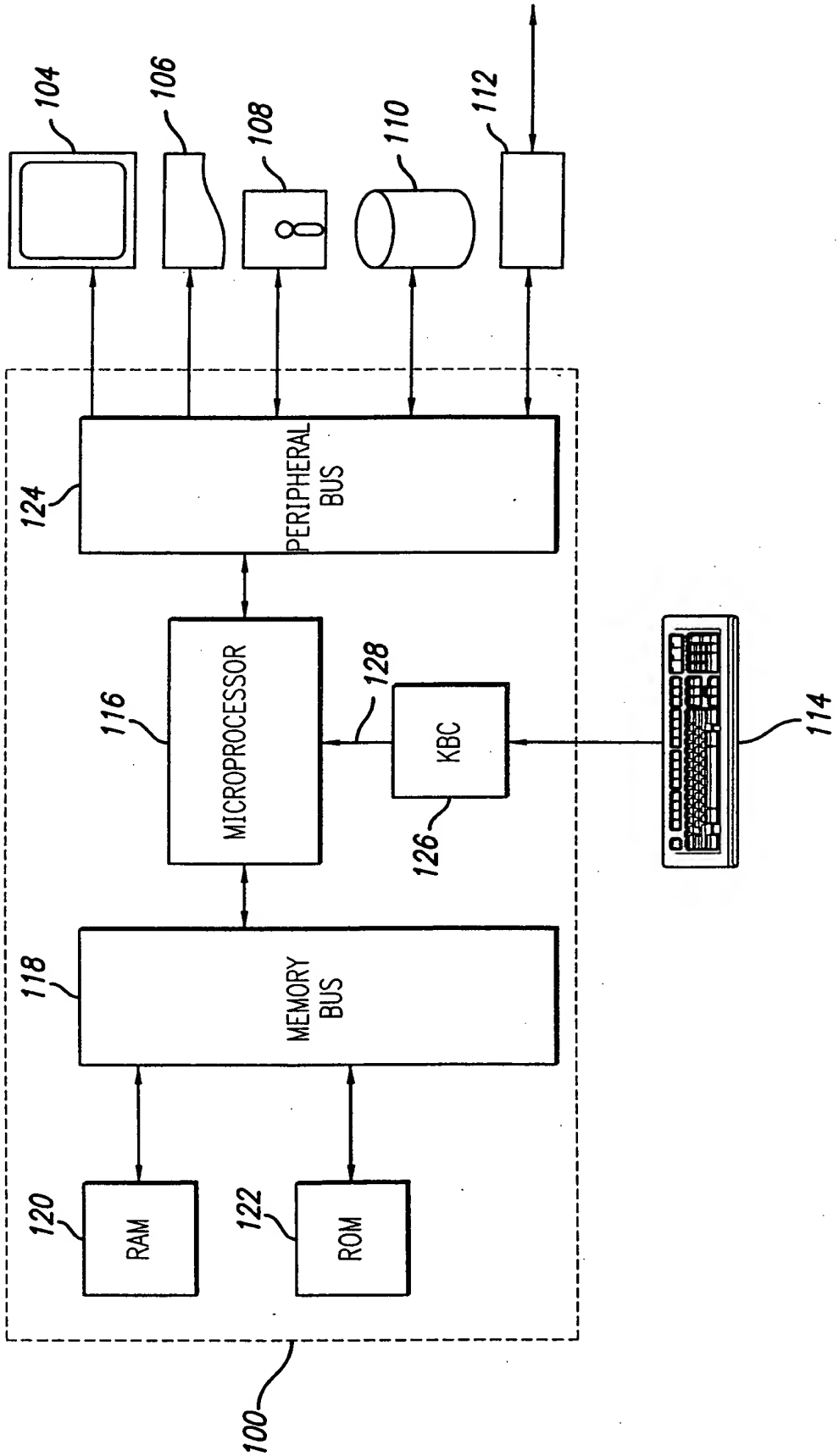

104
106
108
110
112
PERIPHERAL BUS
124
MICROPROCESSOR
116
128
KBC
126
114
MEMORY BUS
118
RAM
120
ROM
122
100

FIG. 4

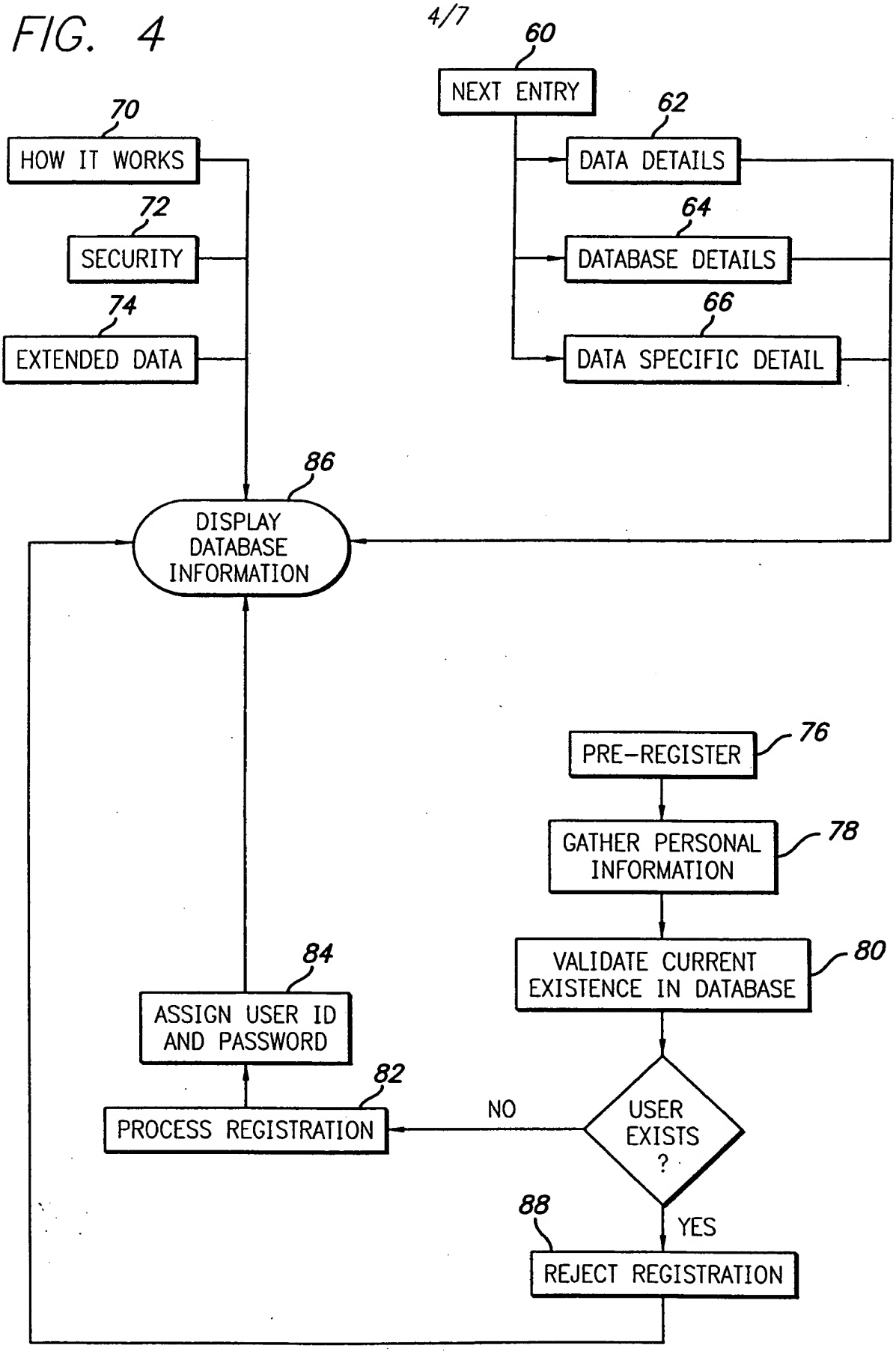

60
NEXT ENTRY
62
DATA DETAILS
64
DATABASE DETAILS
66
DATA SPECIFIC DETAIL
70
HOW IT WORKS
72
SECURITY
74
EXTENDED DATA
86
DISPLAY DATABASE INFORMATION
76
PRE-REGISTER
78
GATHER PERSONAL INFORMATION
80
VALIDATE CURRENT EXISTENCE IN DATABASE
USER EXISTS ?
NO
YES
82
PROCESS REGISTRATION
84
ASSIGN USER ID AND PASSWORD
88
REJECT REGISTRATION

FIG. 5

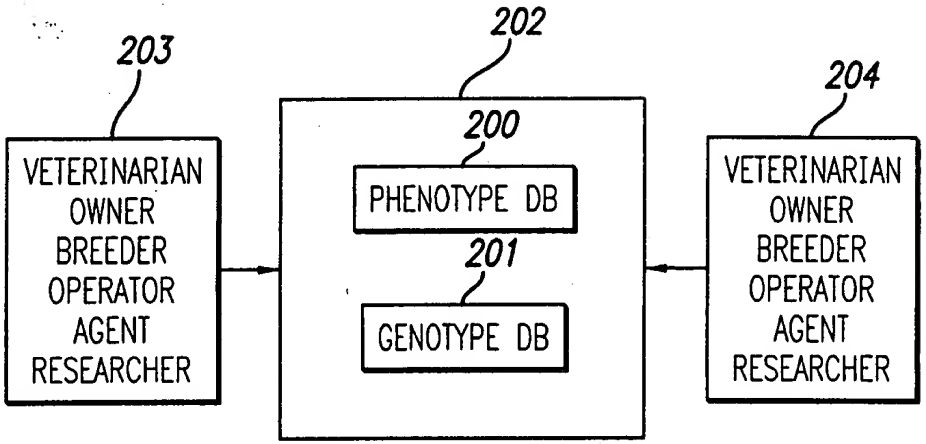
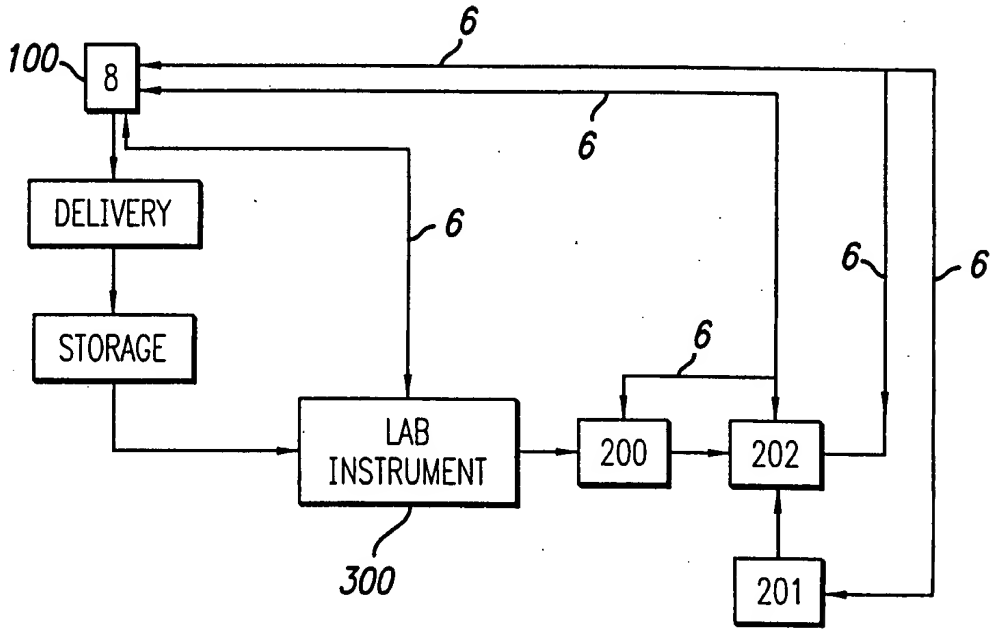

203
202
204
200
VETERINARIAN
OWNER
BREEDER
OPERATOR
AGENT
RESEARCHER
PHENOTYPE DB
201
GENOTYPE DB
VETERINARIAN
OWNER
BREEDER
OPERATOR
AGENT
RESEARCHER

FIG. 8


100
8
6
6
DELIVERY
6
6
6
STORAGE
6
LAB
INSTRUMENT
200
202
300
201

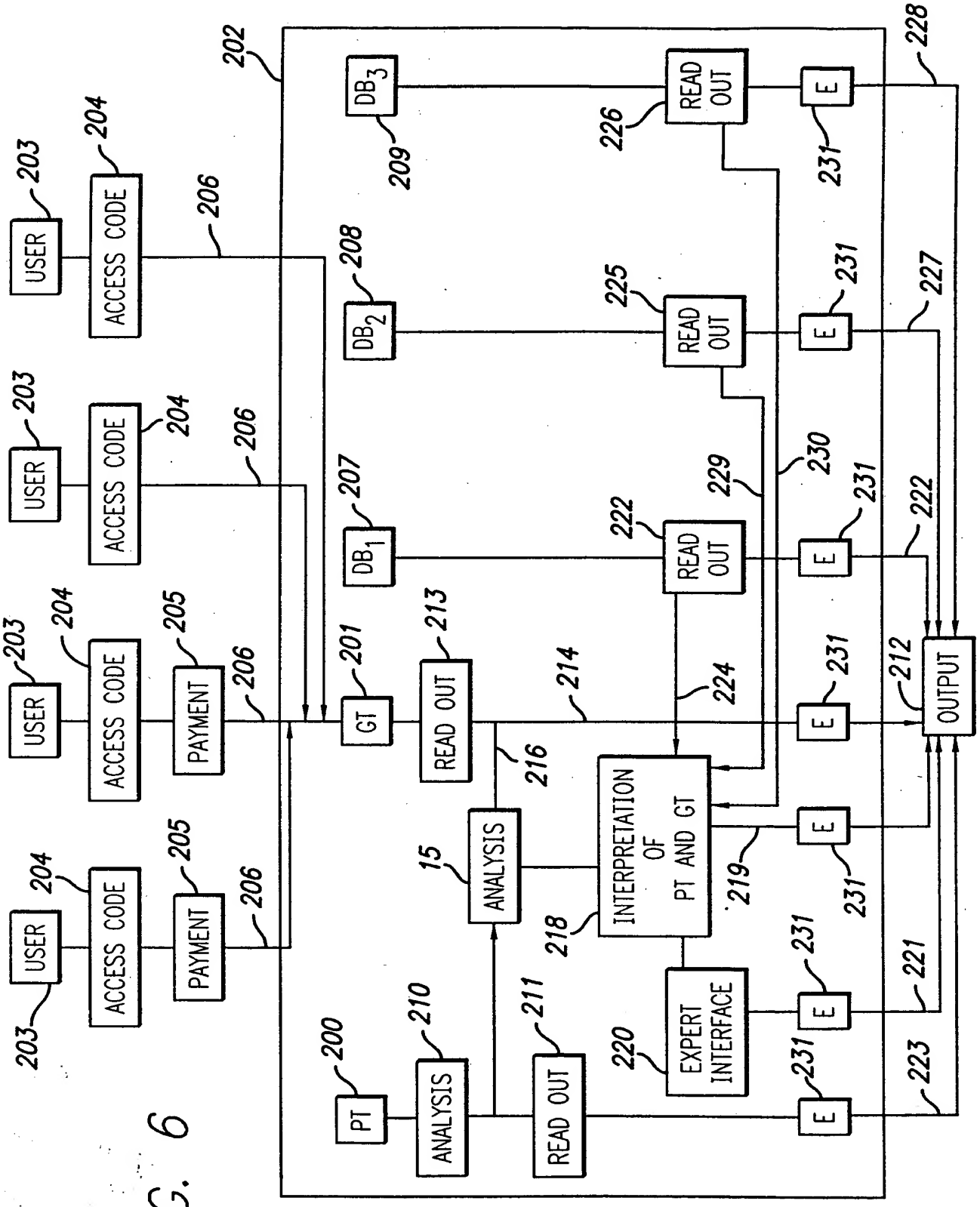
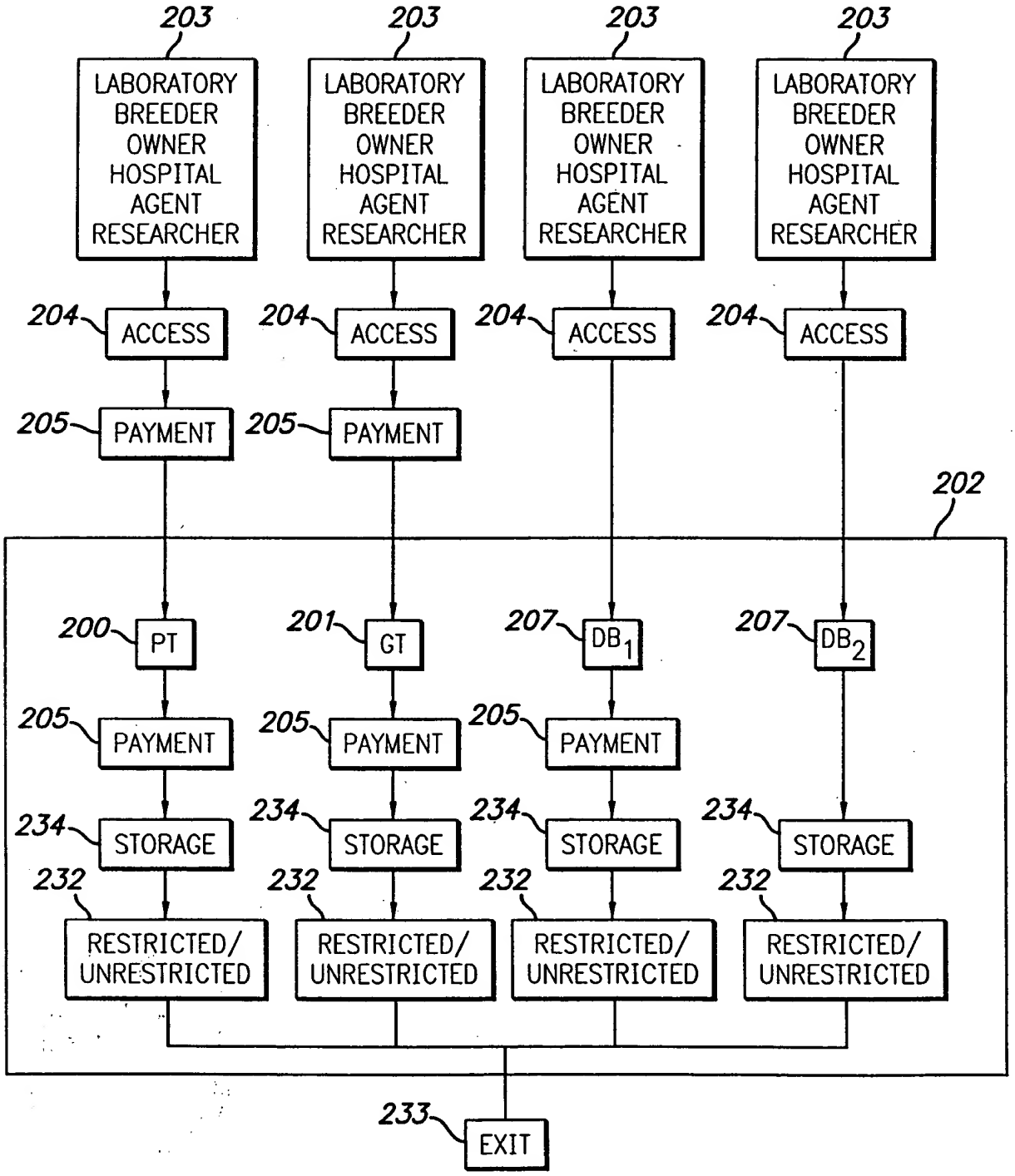

USER
ACCESS CODE
PAYMENT
PT
GT
DB1
DB2
DB3
READ OUT
ANALYSIS
INTERPRETATION OF PT AND GT
EXPERT INTERFACE
E
OUTPUT
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
15
216
218
219
220
221
222
223
224
225
226
227
228
229
230
231

FIG. 6

FIG. 7


203
LABORATORY
BREEDER
OWNER
HOSPITAL
AGENT
RESEARCHER
204
ACCESS
205
PAYMENT
202
200
PT
201
GT
207
DB1
DB2
234
STORAGE
232
RESTRICTED/
UNRESTRICTED
233
EXIT